CrossTalk

Issue 60:12 60 Years Of Service To Our Community December 2019

2019 Club Officers

President :	**James Clark Sr, KA2OSV**
Vice President :	**Anthony Starr, WA2FZB**
Treasurer :	**Alan Arrison, KB2AYU**
Recording Secretary :	**John Zaruba Jr, K2ZA**
Corresponding Secretary :	**Ronald Block, NR2B**

Trustees - 4 year term

Mark Gottlieb, KK2L	***(2016-2019)***
Robert Fields, KC6AOH	***(2017-2020)***
Charles Lanard, KD2EIB	***(2018-2021)***
James Wright, N2GXJ	***(2019-2022)***

Board of Directors - 3 year term

Robert Durham, W2RAD	***(2019)***	**William Price, NJ2S**	***(2018-2020)***
Herb Dyer, KT2Y	***(2019)***	**Jeffrey Garth, WB2ZBN**	***(2019-2021)***
Charles Colabrese, WA2TML	***(2018-2020)***	**Jeffrey Welsh, KD2AZI**	***(2019-2021)***

This Month's Calendar

General Membership Meeting
Wednesday, December 4, 2019 @ 1930 Hours
Pfeiffer Community Center

Tech Saturday Forum
Saturday, December 7, 2019 @ 0900 Hours
W2MMD Clubhouse

VE License Testing Session
Thursday, December 12, 2019 @ 1900 Hours
Franklin Township Public Library

10 Meter Swap Meet
Saturday, December 14, 2019 @ 2000 Hours
Tune-In on 28.465 MHz or 28.475 MHz

Board of Directors Meeting
Wednesday, December 18, 2019 @ 1900 Hours
W2MMD Clubhouse

10 Meter Rag Chew Net
Every Monday @ 2000 Hours
Tune-In on 28.465 MHz or 28.475 MHz

2 Meter Rag Chew Net
Every Thursday @ 2000 Hours
Tune-In on the 147.180 MHz Repeater

Inside This Issue…

President's Message ..... Page 3
Welcome New Member ..... Page 4
Tech Saturday Forum ..... Page 5
Best Down Jersey DX Picks ..... Page 6
Fox Hunt XV ..... Page 7
SNJ Section Update ..... Page 9
KK2L @ W2MMD Clubhouse ..... Page 10
FLDIGI Tips ..... Page 11
Radio Matters ..... Page 13
DA's & DIT's ..... Page 15
1959 Club History ..... Page 16
Regional Hamfest/Events ..... Page 24
ARRL On The Air Magazine ..... Page 25
SKYWARN Recognition Day ..... Page 26
ARRL New Section Managers ..... Page 27
Contest Scores ..... Page 29
Element 3 Question Quiz ..... Page 31
November 2019 General Minutes Page 33
January 2020 Tech Saturday ..... Page 34
November 2019 BoD Minutes ..... Page 35
December Birthdays ..... Page 37
December Contest Calendar ..... Page 38
Club Committees ..... Page 40
Last Page Calendar ..... Page 41

GCARC 7th Annual Holiday Dinner Party

Wednesday, December 4, 2019

Pfeiffer Community Center

7:30 pm to 9:30 pm

After The General Membership Meeting

All Members, Their Families, And Friends Are Welcome

* Food * * Prizes * * Surprises *

Dinner Menu Includes :

Baked Ziti
Sausage & Peppers
Rolls

Salad
Pastry & Dessert Tray
Beverages

Please RSVP to Jennifer Robinson
By Monday, December 2, 2019
trailpie@gmail.com
832-257-9932

Club Sponsored Event - Donations Will Be Accepted

President's Message

Hi All;

Well the end of the year has arrived. Boy did this year go by quickly, especially for me and I am pleased to have been given the opportunity to serve you as your President. It has been a good year for GCARC and I hope the New Year will be just as good. I want to take this opportunity to wish everyone and their families a very Happy Holiday.

As most of you already know GCARC placed second out of 37 entries in the 6A class for **Field Day 2019**. I am very well pleased with our efforts. A hardy WELL DONE to all that made it happen, Bravo Zulu. This year number TWO, Next year number ONE. We can do it.

At this month's meeting we will have a short business meeting, elections and followed by our **Annual Holiday Party**. As many of you are aware a Motion was made and Second to have the Club contribute $400.00 to help pay for the party, and the motion was passed by the members present. However, donations will be accepted to help with the cost.

This month, we would like to welcome new member, **John Wright, AC3FE**, an Amateur Extra Class who lives in New Castle, DE. Welcome John and hope to see you at all of our events.

Congratulations to **Frank Romeo Jr, N3PUU**, who came in first at Fox Hunt XV. This was one of our Club's largest fox hunts so far, with over 15 people participating. Thank you to **Vinnie N4NYY** and **Jim N2GXJ** for organizing such a great Club activity.

DUES will be DUE at January's meeting, so pay early and avoid the rush.

That's it for now. I hope to see you all in 2020.

73 es God Bless Us All

JIM CLARK, USN (Ret.), KA2OSV, President GCARC

"Ask not what your Club can do for you, but what you can do for your Club"
- KA2OSV

Welcome New Club Member :

John Wright, AC3FE, who has an Amateur Extra Class license and lives in New Castle, DE.

We are glad to have you as a member of the Club and hope to see you regularly at Club meetings, events, and activities.

Our General Membership Meetings are broadcast live on Periscope.TV

If you have an Android or iOS device, go to the app store and download the Periscope application

Using the search function, just search for W2MMD

Need a ride to a Club meeting, event, or activity?

Just send a message to the Club's e-mail reflector asking if a member can pick you up

GCARC <*at*> MAILMAN <*dot*> QTH <*dot*> NET

All Club members have access to this FREE e-mail service

Tech Saturday Forum
December 7, 2019 @ 0900 Hours
W2MMD Clubhouse

Open Discussion Of All Amateur Radio Related Topics

We would like to invite all of our new members as well as our veteran members to our Tech Saturday Forums to help answer any questions and discuss any and all issues the new members have come across as they progress through the ***Amateur Radio Experience.***

The Discussion Theme is a QSO starting point - a way to initiate a conversation. All Tech Saturdays are an open QSO of all subjects of Amateur Radio interest.

All questions are welcome as well as a venue for hams to show off their latest ham radio projects or gadgets. Have a problem programming that HT, we can help! Not sure what radio or antenna to buy, we can help!

All Club Members who would like Clubhouse access to use its radio equipment would have to have some brief "Elmering" on the Clubhouse rules, such as using the alarm system, the A/C and heaters, the antenna system, and the radio equipment.

All are welcome - Hams and Non-Hams - Club Members and Non-Club Members. Take a guided tour of our Clubhouse. Visit our HF and VHF/UHF/Satellite Operation Facilities and our vast antenna farm.

As always, refreshments and snacks will be served at every Tech Saturday.

The Tech Saturday Forum is held on the Saturday after the General Membership meeting.

Here is the final slate of candidates for the 2020 Officer Elections are :

President : Jim Clark Sr, KA2OSV
Vice President : Tony Starr, WA2FZB
Treasurer : Alan Arrison, KB2AYU
Recording Secretary : John Zaruba Jr, K2ZA
Corresponding Secretary : Ron Block, NR2B
Directors :

- **Herb Dyer, KT2Y**
- **Robert Durham, W2RAD**

Trustee : Mark Gottlieb, KK2L

Because there are no contested offices, the Recording Secretary will place the lone vote in the record to elect the slate of candidates.

Best Down Jersey DX Picks

December 2019

By Bill Grim, W0MHK

CALL	DATES	HIGHLIGHTS	DIFFICULTY (5=MOST RARE)	ENTITY
A70X	12/02 - 12/20	HF/CW, SSB, RTTY, Digital	2	Burkina Faso
HC	12/02 - 01/05	40-10M/SSB, Digital	1	Ecuador
TO9W	12/04 - 12/13	160-6M/CW, FT8	1	Saint Martin
8Q7XY	12/10 - 12/23	40-10M/SSB, FT8	3	Maldives
6V1A	12/13 - 12/15	HF/CW, SSB	2	Senegal
4L	12/13 - 12/20	Low Bands/Digital	3	Georgia
HS0ZNR	12/14 - 01/08	80-10M/SSB, FT8	4	Thailand
HB0	12/21 - 12/28	80-10M/CW, SSB, FT8	1	Liechtenstein

Down Jersey DX Extra! : "Season's Sunspots And Happy New DX To All!!!"

Credits : NG3K Announce DX Operations : www.ng3k.com/Misc/adxo.html

Entity Of The Month : Thailand

Thailand, officially the Kingdom of Thailand and formerly known as Siam, is a country at the centre of the Southeast Asian Indochinese Peninsula composed of 76 provinces. At 198,120 square miles and over 68 million people, Thailand is the world's 50th-largest country by total area and the 22nd-most-populous country. The capital and largest city is Bangkok, a special administrative area. Thailand is bordered to the north by Myanmar and Laos, to the east by Laos and Cambodia, to the south by the Gulf of Thailand and Malaysia, and to the west by the Andaman Sea and the southern extremity of Myanmar. Its maritime boundaries include Vietnam in the Gulf of Thailand to the southeast, and Indonesia and India on the Andaman Sea to the southwest. It is a unitary state. Although nominally the country is a constitutional monarchy and parliamentary democracy, the most recent coup, in 2014, established a de facto military dictatorship under a junta.

www.wikipedia.org/wiki/Thailand

Fox Hunt XV

By Jim Wright, N2GXJ

It was Sunday November 17, 2019, around noon at the W2MMD Clubhouse, when several of your fellow Club members, who had arranged to rendezvous there ahead of time, were congregating to compare notes and strategize. Not for a Tech Saturday, but for a foxhunt Sunday! They came, with their fox hunt radios, antennas, and laptops, to look at maps and satellite pictures to try and get an edge on Vinnie (N4NYY), the "trash talking" Fox who was hiding the transmitter this day. This was just one of several rendezvous happening in and around Gloucester County, leading up to the 1pm start time. In total there would be at least 15 hunters in the pack this day, including :

- Frank (N3PUU)
- Matt (N2EEE)
- Gary (N2WHV)
- Al (KB2AYU)
- Phil (WA3RGY)
- Herb (KT2Y)
- Jeff (KD2AZI)
- Bruce (KD2LBU)
- Chuck (WA2TML)
- Jim (N2GXJ)
- The husband and wife team of Karl (W2KBF) and Susan (W6SKT)
- And a crew from HRO in Delaware (Ken, Harry, Eric)

Plus there were sighting reports of others out there hunting during the event too. I apologize in advance for anyone whose names I may have missed, and for anyone that didn't make it to the finish line for the group photo this time. As you can tell, in total we'd amassed a formidable pack of "hounds" that would be unleashed to home in on the fox this afternoon!

By 1pm, we were in the hunt zone. In my car was first time hunter Chuck, and experienced hunter Matt. Traveling along 322, near the Commodore business park, heading west towards 295, soon we heard the fox's voice on the radio: "the transmitter is on, the transmitter is on!" And with that, the hunt was on! But from our radios we were driving with in the car, after that - silence. Where was the tone from the transmitter? Our starting guess was clearly wrong. And we were not the only ones that were on the wrong side of hunt zone to start.

Poor Herb. He describes how his hunt team also started on the 322 side of the Raccoon Creek, and how he had gotten out, on foot, and headed down an embankment with his new tape measure beam. Initially couldn't get a clean bearing. The signal seemed to be coming from everywhere! But the real location was on a trail reached from a park on the other side of the creek.

One of the funny stories of the day comes from Jeff. As he tells it, elated, he celebrated victoriously his find when he thought he was first to find the transmitter. Unfamiliar with what the transmitter actually looked like, his elated celebration turned out to be for finding a deer camera, which was probably recording him the whole time! Can you imagine the laughter when the camera owner sees this captured footage?

In the end, shout-outs of congratulations to **Frank, N3PUU**, for being first to find the hidden transmitter! It might not have been easy, but it certainly was fun! Congratulations also to Matt, Gary, Al, Chuck, Phil, Herb, Jeff, and the other hunters that were close on his heels, and also

Fox Hunt XV - Continued on page 8

Fox Hunt XV - Continued from page 7

found the transmitter off in the woods, wedged between some trees, next to one of the trails that led off into the fields behind Tranquility Park.

A warm thank you goes out to the all first time hunters, success or not, for giving it a try. And a special thank you goes out to Vinnie for giving us such a great hunt today. Who else would have his wife drop him off in the woods somewhere, while a "decoy" car was left in a different parking lot to try and throw us off? (yes, he did that). Or use a beam antenna on his own HT to throw off our ability to home in on him while he was taunting Herb and the rest of us during the hunt? (yes, he did that too). Then lastly, I'd like to thank you, the crazies of GCARC, for supporting an event like this. It really was fun! So, when's the next one?

The W1UL Ham Cram Website
www.ham-cram.com

ARRL Ham Radio License Exam Practice Website
www.arrlexamreview.appspot.com

Southern New Jersey Section Update

By Tom Preiser, N2XW

Hello to everyone in the Southern New Jersey Section. As you are probably aware weather is getting colder so hopefully you have checked all your antennas before the real winter weather hits.

Thank you to all of the clubs who are forwarding me their newsletters.

Some newsletter content may show up here. If you know of anyone in your club that is not a member of the ARRL please encourage them to sign up.

Also please encourage members to signup for this email letter under membership profile at **www.arrl.org**.

Congratulations to the following Southern New Jersey Section team members who completed the "Introduction to Amateur Radio Emergency Communications" (EC-001) classroom version on November 7th at the American Red Cross facility in Mercer County; K2AFO, K2PCG, KC2DUL, NU3E, KA3IAX, KE2ES, N2CPR, N2VVL, W2ZXR, KC2IMI and Caty Tsao.

The next offering of "Introduction to Amateur Radio Emergency Communications" (EC-001) classroom version is scheduled in Atlantic County at 6 to 9 pm on January 7, 14, 21, 28, and February 4 - final assessment. Thank you to the SNJ instructional team of WX2NJ, N2RPQ and WB2ALJ for their efforts.

As of November, there are 13,792 licensed amateur operators in New Jersey and 1,209 ARRL Members in SNJ. Novice (260) Tech (6,417) General (3,288) Advanced (845) Extra (2,982).

The Burlington County Radio Club took part in the Jamboree on the Air. This years event was held at the Tabernacle ESB and Pine Hill Scout reservation on October 19th and 20th. Thanks goes out to all that helped to make the day a success. This was another chance for the club to give back to the community.

Follow the Southern New Jersey Section on Social Media :

- Facebook : ARRL Southern New Jersey Section for Ham Radio
- Instagram : @arrl.southernnj
- Twitter : @arrl_southernnj
- Webpage : **snj.arrl.org**

Please support the South NJ Traffic net by checking in nightly at 8pm on 147.345 MHz PL 127.3 or Echolink KB2RTZ. We are also looking for some net control operators. If you are interested contact Steve Bromhead KB2RTZ, **kb2rtz@gmail.com**.

Amateur Radio Emergency Service (ARES) is always looking for new members. Please contact Tom Devine, WB2ALJ **wb2alj@arrl.net** if you are interested.

ARRL Southern New Jersey Section
Section Manager : Tom Preiser, N2XW
n2xw@arrl.org

IC-9100 & 100 Watts @ W2MMD Clubhouse : November 15, 2019

By Mark Gottlieb, KK2L

"Good News! The Force 12 still is functional. Not much activity on phone or 20m for that matter this afternoon. Still, South Pacific was in range."

Time	Call	Band	Freq	Mode	Grid[2]	Location	Comment
13:45	N8DOD	40M	7.074	FT8	EN91nf	Warren, OH	James Teeple
13:51	N2BTX	40M	7.074	FT8	FN02xr	Perry, NY	Charles Miller
14:03	DL2IAU	20M	14.074	FT8	JN49be	Germany	Horst Weissenauer
14:21	N7XCZ	20M	14.074	FT8	DM09cm	Reno, NV	James Wolf
21:14	M0VCB	20M	14.074	FT8	IO94si	England	Conrad Fox
21:15	G3UAS	20M	14.074	FT8		England	Trevor Morgan
21:20	RV3GZ	20M	14.074	FT8		Russia	Valery Solov'ev
21:22	DH1TT	20M	14.074	FT8	JN58bk	Germany	Oliver
21:32	JF3MKC	20M	14.074	FT8	PM74xm	Japan	Yasuo Inoue
21:34	W0TLR	20M	14.074	FT8	EM37hd	Battlefield, MO	Tim Ricke
21:35	KD0MVZ	20M	14.074	FT8	EN35gc	Maplegrove, MN	Robert Moyle
21:41	JH8SIT	20M	14.074	FT8	QN03pc	Japan	Masahiro Yamamoto
21:43	JA1WSK	20M	14.074	FT8	PM95tl	Japan	Noriaki Katsumi
21:55	HA7TM	40M	7.074	FT8	JN97kk	Hungary	Tibor Nemeth
21:56	EA1FZ	40M	7.074	FT8	IN82sl	Spain	Juan Carlos Cabezon Pereda
22:03	IK4ISR	40M	7.074	FT8	JN54qq	Italy	Davide Dal Cero
22:07	F4BQS	40M	7.074	FT8	JO10jl	France	Fred Czeszynski
22:20	F4BQS	40M	7.074	FT8	JO10jl	France	Fred Czeszynski
22:41	TX7T	20M	14.210	SSB	CI00le	Marquesas Islands	Madison Jones

ARRL 2019 Field Day Results
Gloucester County Amateur Radio Club

	2019	Rank		Total #
Score	10,874	#24	out of	3,112
Category	6A	#2	out of	37
QSOs	2,642			
Power Mult	2	#21	out of	2,655
Section	SNJ	#2	out of	23
Division	AT	#4	out of	286
Participants	42			

FLDIGI TIPS for Windows - Updated October, 2019

By Karl Frank, W2KBF@ARRL.NET

1. Browse to **W1HKJ.COM** and download FLDIGI SETUP (current version is 4.1.08).
2. Run the Installer (setup.exe). By default, FLDIGI.exe will be installed in the directory C:\Program Files (x86). This also will install FLARQ.
3. Fill in the requested information, e.g. Operator Name, Call, QTH. Don't worry too much about these details, you can always go back later using the CONFIGURE tab.

Basic Configuration

Under the CONFIGURE tab select :

4. **Modems :** Select MT63 tab :
    - Check 8-bit extended characters (UTF-8)
    - Check Long Receive Integration
    - Check both Transmit Upper and Lower start tones
    - Add a few seconds tone duration (e.g. 3 seconds)
    - Check Centered at 1500 Hz
    - Save these changes, then close.

5. **Rig Control :** No need to enter anything if you are using audio-derived VOX to key the radio (e.g. SignaLink) or if you are keying a microphone manually. If you use serial port PTT (e.g. RIGblaster) then check the Use separate serial port PTT box and select the appropriate com port# in Device Box. If you use CAT to control your radio, then you will need to download FLRIG. Use and configuration of FLRIG is beyond the scope of these basic instructions.

6. **Sound Card :** Select Audio tab. Under Devices, select Port Audio checkbox, then select appropriate Capture and Playback devices, e.g. internal microphone and speakers OR USB sound card. Note : Some newer rigs have internal sound cards and do not require a SignaLink or RIGblaster interface. Save changes, then close.

7. **ID :** Under CW Postamble ID, select Transmit Callsign. Under Reed-Solomon ID (RsID), check that MT63-2000 is among the modes selected for both Receive and Transmit modes.

8. Under Pre-signal Tone, select a few seconds (e.g. 2 seconds). Save changes and Close.

9. This completes basic installation and configuration of FLDIGI. When you start FLDIGI and click on the TUNE button at the top right corner of the screen, a steady tone will be sent either thru your computer speakers or to your radio interface, depending on how you have configured this application.

10. You can learn far more from the HELP tab at the top of the FLDIGI screen and from the documentation available at **W1HKJ.COM**.

Next Steps

11. Download FLMSG (4.0.14) and FLWRAP (1.3.5) from **W1HKJ.com**. Run the installers.

FLDIGI Tips - Continued on page 12

FLDIGI Tips - Continued from page 11

12. As with FLDIGI.exe, these will end up by default in the directory C:/Program Files (x86).

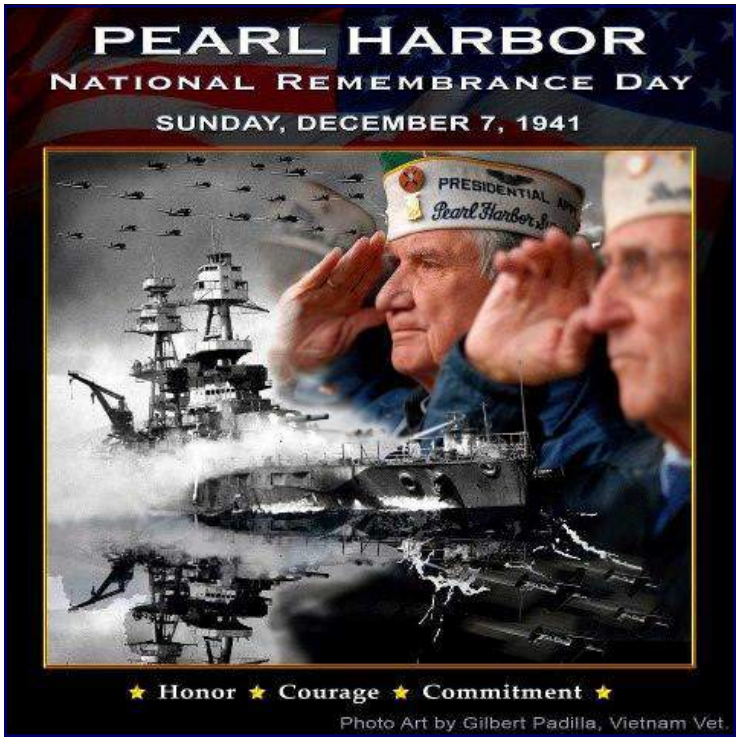
Under the CONFIGURE TAB select :

MISC :

13. NBEMS Tab : Under NBEMS data file interface, check both Enable and Open Message Folder.
14. Under Reception of FLMSG file, select Open in Browser.
15. Click on Locate FLMSG box and navigate to the folder containing flmsg.exe.
16. It probably was installed in the folder C:\Program Files (x86)\flmsg-4.0.14.
17. Click to open the folder, highlight the application itself then select Open.
18. This will update the Locate FLMSG box (if that did not work, try typing in the path manually).
19. Save Changes then Close.
20. Remember, if things get badly screwed up, you can just restore defaults and start over. Or, you can uninstall FLDIGI then download and install it again as many times as you like. It is free!

Yet a few more Steps

21. For convenience, I like to pin FLDIGI to the taskbar.
22. Also, I like to have FLMSG start automatically whenever I start FLDIGI.
23. To do this, start FLDIGI and go to :
    - CONFIGURE
    - Other
    - Autostart
24. Click in the Program 1 box, select Locate, then browse to the FLMSG folder (in C:/Program Files (x86)). Click to open the folder then click on the FLMSG-4.0.14 application itself. This should populate the Program 1 box. Check the Enable box, then Save and Close.



Radio Matters
By Urb LeJeune, W1UL

© 2019 All Rights Reserved
www.ham-cram.com

Computer Logging Programs

Introduction : If you are currently using a paper log, consider the following.

1. It is disaster prone.
2. Paper deteriorate over a period-of-time.
3. No way to search your paper log other than manually.
4. I've been using Amateur Contact Log (AC Log) by Scott Davis, N3FJP (www.n3fjp.com), for years.
5. You can evaluate it for free for 45 days.
6. Life-time registration of $24.99 after trial period.

Amateur Contact Log Features

1. Very easy and intuitive to use.
2. Tracking of Worked All States, Worked All Counties, Worked All Countries, DXCC, VUCC, Grids, Worked All Zones, IOTAs, Lighthouses and many other achievements.
3. The user interface is customizable! You can choose to display any of the data field you want and decide where you want them. The DX Spotting window can be set to any size you like! You can also change the font sizes of all the fields, list and text boxes.
4. Includes a database of countries and counties.
5. Query by band, mode, or power level to easily track your accomplishments by individual and multiple criteria.
6. Lists previous contact data with the station being worked including name, dates of previous contacts, QTH, etc., just by typing the call field and hitting the Tab key.
7. A bearing and distance calculator from your QTH for DX contacts and grid squares.
8. Full support for standard Amateur Data Interchange (ADIF) format. Export you whole log or selected records in ADIF for applications such as eQSL and the ARRL's Logbook of the world (LoTW).
9. Easily manage your log and Logbook of the World (LoTW). AC Log will sign and upload your contacts to LoTW and download your confirmations from LoTW.
10. Upload QSOs directly to eQSL and Club Log.
11. Interface with most Elecraft, Icom, Kenwood, Ten Tec and Yaesu radios.
12. A Net Manager form, used for logging with multiple stations, whether you are managing a formal net or just joining in on a casual round table, this form makes logging with a group quick and easy.
13. Provides DX spotting on Telnet, your packet TNC or AGW Packet engine. Audio alert for needed spots.
14. Send keyboard CW via your comm port or Winkey and play wave files via you sound card.
15. Quickly print basic QSL label and address labels (does not support label printers and labels are not customizable through AC Log.
16. Interfaces with the QRZ and Ham Call Internet lookup service, as well as several free options.

Radio Matters - Continued on page 14

Radio Matters - Continued from page 13

17. Interface with many digital programs and other software via API inducing Fldigi, JTAlert, PSK Express more.
18. Optionally displays your call sign when the program loads.
19. Fully networkable. Whether you want to us AC Log for a DXpedition, or you just want to access your log from multiple PCs simultaneously at your home or club station, AC Log supports multiple clients updating a single database.

Epilogue :

If you've never used a computer logging program, try one, you'll never go back. There are literally over a hundred computer logging programs. I've been using AC Log for years and think it offers the most features for a minimal cost.

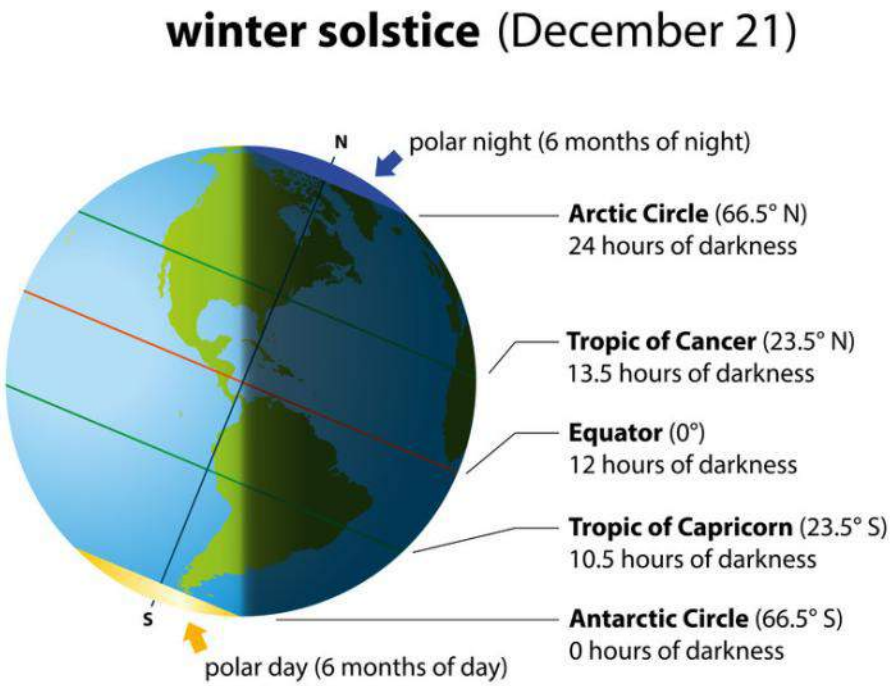
Next Month :

The topic of next month's article is Log Book of the World (LoTW). Many hams think LoTW is only for DXers. Not so, it is good for any ARRL award. I recently was awarded the Triple Play Award which required LoTW confirmation with each of the 50 states using CW, SSB and digital.

Speaking of software try out W1UL's licensed preparation software at **ham-cram.com**.

1. We only study the question most likely on the actual test.
2. We only study correct answers.
3. It is the fastest and most reliable path to a license or upgrade.
4. It's free.

73 Urb W1UL urb@ham-cram.com 609-937-5487



DA's and DIT's

Gary Reed, N2QEE, reports about the November 14, 2019 VE Licensing Session :

- 2 Candidates :
  - Jeffrey Bell, KD2RDG - Upgrade to Amateur Extra Class, of Cherry Hill
  - Lee Quarella, KD2QYD - Upgrade to Amateur Extra Class, of Landisville

The VE's attending were : Frank W2FJM, Urb W1UL, Ed N2RO, Chuck WA2TML, and Mike N2MHO.

Congratulations to Club member, **Lee Quarella, KD2QYD**, for upgrading to Amateur Extra Class.

Get Well Wishes to **Charlie Wahl Jr, KC2STO**, recovering at home after a short stint in the hospital with breathing problems.

A **Big Get Well** to your **esteemed editor** recovering at home after spending 5 days in the hospital with jaundice. After a battery of tests, I had a stone removed that was blocking a duct. The next day they removed my gallbladder so it would not happen again. Thank you to all the well wishers.

Congratulations to **John Hill, W2HUV**, for that excellent article in the November 2019 QST, about the W2MMD Clubhouse's Remote Automatic Antenna Switch.

Santa Net 2019 On The Air!

Every year on **3916 kHz**, we give good little boys and girls a chance to talk to Santa Claus at the North Pole! It is indeed a magical experience to experience kids talking with Santa through the magic of Amateur Radio! The Santa Net is on the air every night, November 29th through December 24th at 7:30 PM Central. To participate in The Santa Net, just have your kids prepared to tell Santa their top 2-3 gift wishes.

For more information, go to :
http://www.tailgatersnet.com/santa-net.html.

60 Years Ago This Month
1959 Club History : Part 12

THE OFFICIAL PUBLICATION OF THE GLOUCESTER COUNTY AMATEUR RADIO CLUB

Volume 1 : Number 9 **December 1959**

Where : Owens-Illinois Onized Club House, Glassboro, NJ
When : December 3, 1959 @ 2000 Hours Sharp
Who : All members and interested parties
What : Regular meeting of the Gloucester County Amateur Radio Club

Guest speaker: An interesting talk will be given on the remote control of model aircraft by **H. Donald Brown, K2RWD**.

de K2JKA

This being December, I think that it is in order to pay tribute to our outgoing officers for a job well done. The Club, I am sure, as long as it exists will remember its first officials and will continue to remember and be most appreciative of all the hard work that they voluntarily took on in organizing this Club and making it what it is today. I can't speak from experience, but I'm sure it was no easy task. These fellow amateurs have laid the foundation and paved the way to make the Club the skyscraper that it someday will be. Our heartfelt thanks to a fine group of hams and gentlemen for a tremendous job well done.

As you will notice, I have eliminated the blank pages from this issue of CrossTalk. In as much as Christmas is fast approaching and being in a mellow mood, I thought that I'd give the readers a break this month and lay off the stomping for news, but just wait until next January's issue when you are liable to get two months issue of blank pages. We probably won't feel so mellow then.

From the staff of CrossTalk, we extend our best wishes for a Very Merry Christmas and a Happy and Prosperous New Year to you and yours.

CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ

Reserve the evening of December 12, 1959. No, it's not the DX contest or sweepstakes weekend, but it is our First Club Christmas Party. The festivities will begin at 2000 Hours. There will be food aplenty and other goodies with door prizes galore and fun and enjoyment for all. So bring the XYL and YL and have a fine evening of dancing, music, and just plain fun. Don't miss it. It will only happen once this year and best of all its – **FREE.**

December 1959 Club History - Continued on page 17

December 1959 Club History - Continued from page 16

Splatter Etc.

Jack Layton, K2JKA, is the proud possessor of a new SX-101A receiver and has been having a ball working SSB on 10, 15, and 20 Meters.

Just received word that **Dr. John Laurusonis** has received his Novice license. His call **WV2IVZ**. Congratulations Johnny and lots of luck.

Paul Scarpa, W2HSE, had some real hot buys on resistors and capacitors at the last meeting and the stuff went like hot-cakes.

Plans for the **Christmas Party** are just about complete under the capable direction of **Tad Deuber, W2CKX**. Music will be furnished by **Jim Peck, W2LVW**, who is bringing his collection of pre-recorded tapes for your dancing pleasure. It is shaping up to be a real gala occasion, so do not miss out on the Club's **First Annual Christmas Party on Saturday, December 12, 1959**.

Frank Van Turner, W2KE, is busy converting his recently acquired A-54 Elmac transmitter to 12 Volts. He is still on the lookout for a converter. See his ad in Swap and Shop.

Another reminder! This meeting is our annual election night. It is your duty as a member of the radio club to come out and cast your vote for the candidate that you feel is best fitted for the office. He will hold the reigns of the Club and direct its activities. So by all means let us fill the Clubhouse on December 3, 1959 and not only vote, but back our officers and our Club. It's a great Club now and everyone of you can help make it better.

Received a card from California that we will print in whole because it sure gives your CrossTalk staff a big lift :

> ***Dear Jack : I want to thank you for sending CrossTalk to an ex-Woodburyite. I sure enjoy reading the news about all the local gang. Say hello to all the boys for me, especially Al Roche, K2HHJ, and Woody Frantz, K2AQL. I am now ex-W2TNB and a brand new WA6HQT. I have the rig unpacked and the receivers set up, but as yet no antennas up. Have heard NJ on 10 Meters Sunday AM openings, but not too often. Hope to get on air soon and will look for you on 10 Meters SSB. Hope you get enough dope to keep CrossTalk going. Would be glad to help treasury to keep on mailing list. Let me know. 73 es Keep up good work Signed, Lou Seeberger, WA6HQT, ex-W2TNB***

Did you get that QSL of yours in to **Mr. Crabiel** requesting that bill authorizing amateur call plates be taken out of committee for action?. If not you goofed - get with it buddy, do your part.

Woody Frantz, K2AQL, is going full blast on the Club project and quite a few fellows are planning on building. Woody deserves a lot of credit for organizing and planning this feature of the Club activity.

If you guys don't send the news, we can't print it. So how about it you Club reporters, let's start the odds and ends rolling.

December 1959 Club History - Continued on page 18

December 1959 Club History - Continued from page 17

Ed Stetser, K2JJC, and **Hal Kutz, K2JGU**, attended the MARS meeting at Fort Monmouth. Both are active on MARS frequencies.

The following members of our Club have been nominated for Club offices for the year 1960

- **President :**
  - Elwood 'Woody' Frantz, K2AQL
  - Al Roche, K2HHJ
- **Vice President :**
  - Al Roche, K2HHJ
  - Horace Simpson, W2JOZ
  - Cooper, W2PAX
  - Jim Peck, W2LVW
- **Recording Secretary :**
  - Edwin Stetser, K2JJC
  - Gurdon Cooper, W2PAX
  - Tad Deuber, W2CKX
- **Treasurer :**
  - Horace Simpson, W2JOZ
- **Corresponding Secretary:**
  - Della Parker, W2AFZ
  - Jim Peck, W2LVW
- **3 Year Director : Elect Two :**
  - Frank Van Turner, W2KE
  - Elwood 'Woody' Frantz, K2AQL
  - Roy Peterson, K2GHZ
- **4 Year Trustee : Elect One :**
  - John Wright, K2TVQ
  - Roy Peterson, K2GHZ

Remember that nominations will still be accepted for all Club offices, so if you don't see the name of someone listed it is still not too late to nominate him before the actual election takes place.

So please don't hand the responsibility to some and not do your share to help. It's one thing to elect an officer, it's another to give him the support that he needs to keep the Club going and growing.

So if you are asked to help on committee work or some official detail, don't shirk your duty.

Put your shoulder to the wheel, we will all get where we are going if we all get behind the club and its officers and push.

December 1959 Club History - Continued on page 19

December 1959 Club History - Continued from page 18

Swap and Shop Column

FOR SALE:

International crystal 6 Meter converter new. 5 element Hy-Gain 6 Meter beam new. See Ralph 'Pappy' Ralls, WA2CVW

S36-D: $30.00. See Bill Smith, WV2FHE

HQ129X. See Hal Kutz, W2BZI

SELL OR TRADE :

Commercial traps for di-pole: $6.50 or swap for B&W multi-band grid turret. See Ray Gianchetti. WA2CUB

WANTED :

All band mobile receiver or converter. See Frank Van Turner, W2KE

December 1959 Club History - Continued on page 20

December 1959 Club History - Continued from page 19

A Hams Christmas

Twas the night before Christmas and all thru the ham shack,
Was the warm glow of the tubes in the transmitter rack.

The log-book was brought up to date with great care,
In case the FCC would soon be there.

The XYL and harmonics were snug in their beds,
(No Tennessee Valley Indians to addle their heads).

I plugged in my mike and the new VFO, Getting all set for a nice QSO.

When from the relays there rose such a clatter, I yanked the big switch to see what was the matter.

Then up on the roof from my 10 Meter beam, There came QRM with plenty of steam.

"On W2, On W6, On KH6 and DL4", "Bias to the grid and volts to the plate",
"Just watch the meter while we modulate".

As I turned to the rig and reached for the dial, From the antenna slid Santa with a great big smile.

An RF choke he held tight in his teeth, And co-ax around his head like a wreath.

A bundle of ham gear he had flung on his back, Was that my name on that new power pack?

He had a stub nose like an egg insulator, His cheeks glowed bright like a hot oscillator.

He spoke not a word, but went straight to his work, Laying out all the gear, then turned with a jerk.

And laying a wave meter alongside his nose, Said "Please QSL" and up the feeders he rose.

He climbed up the di-pole, to his team he gave a whistle,
And away they all flew like a jet propelled missile.

But I heard his signal bounce off the ionosphere

"Seventy Three, Eighty Eight and a Merry Christmas to all

With apologies,
Ray Gianchetti, WA2CUB

December 1959 Club History - Continued on page 21

December 1959 Club History - Continued from page 20

Gloucester County Amateur Radio Club
General Membership Meeting
Thursday, December 3, 1959

Meeting called to order by President Frank Van Turner W2KE.

Secretary's report was read and accepted.

In the absence of Horace Simpson K2JOZ our treasurer Gurdon Cooper W2PAX submitted his report showing a balance of $284.85 as of this date.

President Van Turner reported on CD activity - state-wide alert held on December 7, 1959.

Woody Frantz K2AQL, reported on the proposed Club project and showed us a mock-up model of the 6 meter transceiver.

Tad Deuber K2CKX, reported the Club's Christmas party to be held Saturday, December 12, 1959 @ 2000 hours.

The order of new business was further nominations from the floor for the 1960 officers and subsequent election to each office :

President :

- Nominations : Elwood Frantz K2AQL; James Peck W2LVW; George Stuart K2SOL,
- Election : Elwood Frantz K2AQL

Vice President :

- Nominations : James Peck W2LVW, George Stuart K2SOL
- Election : James Peck W2LVW

Recording Secretary :

- No nominations from floor. Edwin Stetser K2JJC elected

Treasurer :

- No nominations from floor. Moved that the recording secretary cast ballot for the incumbent Horace Simpson W2JOZ

Corresponding Secretary :

- Moved recording secretary cast ballot for Della Parker W2AFZ

Three Year Director :

- Nomination : Frank Van Turner W2KE; Charles Sketchley K2PQD; Roy Peterson K2GHZ
- Elected : Frank Van Turner W2KE and Roy Peterson K2GHZ

December 1959 Club History - Continued on page 22

December 1959 Club History - Continued from page 21

Four Year Trustee :

- Nominations : Frank Ciancaglini K2JLY; Ray Gianchetti WA2CUB
- Elected : Frank Ciancaglini K2JLY

Two Year Director to fill unexpired term of one year of Della Parker :

- Nomination : John Wright K2TVQ; Charles Sketchley K2PQD; Ray Gianchetti WA2CUB
- Elected : Ray Gianchetti WA2CUB

At the conclusion of the election of officers, Don Brown K2RWD, gave a very interesting talk on radio-controlled model aircraft and illustrated his talk with a working model plane and control system.

Signed : Edwin S Stetser Sr K2JJC, Recording Secretary

December 1959 Club History Continued on page 23

December 1959 Club History - Continued from page 22

Gloucester County Amateur Radio Club
December 17, 1959

The following report on activities of the Christmas Party held on Saturday, December 12, 1959, which lists committees and expenditures, is submitted :

Total Cost of Food: $99.27
Collected from sale of food : - $11.55
Total Cost : $87.72

T. A. DEUBER, W2CKX, Chairman

Committees:	
Soft Drinks	Frank Van Turner, W2KE
Potato Salad, Deviled Eggs	Barbara Van Turner
Music	Jim Peck, W2LVW
Door Prizes	Jim Peck, W2LVW & Frank Van Turner, W2KE
Door Tickets	Al Roach, K2HHJ
Decorations	Mal Mason, W2MMD
Coffee, Cream, Sugar	Woody Franz, K2AQL
Food	Tad Deuber, W2CKX
Publicity	Jack Layton, K2JKA

Expenditures :	
Paper Plates (125)	$2.15
Paper Cups (150)	$2.25
Paper Straws (200)	$.25
Paper Napkins (3 boxes)	$.25
Pretzels (1 can)	$1.25
Potato Chips (1 can)	$1.50
Olives (1 gal.)	$1.85
Pickles (1 gal.)	$2.85
Rolls, Cup Cakes (150 each)	$14.75
Wood Spoons (110)	$.25

Expenditures :	
Mustard (1 quart)	$.29
Mayonnaise (1 quart)	$.49
Meat, Canned Ham (21 lb.)	$14.49
Cheese, Square (12 lb.)	$6.60
Potato Salad (50 lb.)	$17.50
Deviled Eggs (12 Dos.)	$5.30
Soft Drinks	$9.25
Door Prizes	$18.00
Coffee, Cream, Sugar	Donated
Total Cost of Food	$99.27

Regional (Atlantic & Hudson Divisions) Hamfests & Events

December 7, 2019 : Prince George's County Emergency Radio Association SantaFest, American Legion Youth Group, 9201 Surratts Road, Cheltenham, MD. **www.pgares.org**

December Is YOTA Month!

Youth operating special event stations around the world will be on the air throughout the month of December in celebration of Youngsters on the Air / Youth on the Air (YOTA) month. Check the website **https://yotaregion2.org** for more information about YOTA month specifics in the Americas.

Saturday, December 7, 2019

0900 To 1130 Hours

Gloucester County Veterans Memorial Cemetery

Gloucester County has without a doubt one of the most beautiful Veterans Cemeteries in the country and one we can all be proud of. For 9 years Gloucester County veterans and volunteers have come together to raise funds to purchase and lay wreaths on the grave sites of veterans and family members buried at the Gloucester County Veterans Memorial Cemetery as a gesture of honor and remembrance. We continue the tradition again this year of honoring our veterans at a special ceremony starting 10 AM on Saturday, December 7, 2019 at the Gloucester County Veterans Memorial Cemetery in Monroe Township followed by performing individual grave ceremonies and the laying of 3000 wreaths covering all the grave sites at the Cemetery. For more information, go to :
https://peopleforpeople.salsalabs.org/wreathsofremembrance2019/index.html

ARRL to Launch New On the Air Magazine

ARRL is launching a new magazine, ***On the Air***, in January 2020. To be published on a bimonthly basis, ***On the Air*** will offer new and beginner-to-intermediate-level radio amateurs a fresh approach to exploring radio communication. Each issue will include advice and insights on topics from the variety of Amateur Radio interests and activities: radio technology, operating, equipment, project building, and emergency communication. The goal of this new magazine is to be a vital resource in helping new and newer radio amateurs get active and involved in radio communications.

"***On the Air*** responds to the brand-new and not-so-brand-new radio amateur seeking ideas and answers," said QST Managing Editor Becky Schoenfeld, W1BXY. Schoenfeld is part of the ARRL staff team that developed the new magazine. The planning included an extensive national-level study of new Amateur Radio licensees, identifying their motivations for getting licensed and their experiences of getting started. A focus group responded positively to a trial sample edition of the magazine.

"Too many new licensees never take the next step," says Schoenfeld. "We're excited to introduce a new Amateur Radio magazine for this audience, aimed at getting them active, getting them involved, and getting them on the air."

The first issue of ***On the Air*** will be published in January 2020 (January/February issue) and will be introduced as a new ARRL membership benefit. Effective November 1, when eligible US radio amateurs join ARRL or renew their memberships, they will be prompted to select the print magazine of their choice -- ***On the Air*** or ***QST***. Current members receiving the print edition of ***QST***, upon renewal, may choose to continue receiving the print edition of QST (monthly) or the print edition of ***On the Air*** (bimonthly).

All ARRL members, including international members, will be able to access digital editions of both ***QST*** and ***On the Air***. Members who already access ***QST*** on the web or from the mobile app will be able to access ***QST*** and ***On the Air*** starting in January.

Article Credit : The ARRL Letter for October 17, 2019 - www.arrl.org

"a Festivus for the rest of us"
December 23, 2019

Customary Practices :

Festivus Pole : A 6 foot aluminum pole

Festivus Dinner : Meatloaf, Spaghetti with red sauce.

The Airing of Grievances : It consist of each person lashing out at others and the world.

Feats of Strength : The head of the household challenges each guest to a wrestling match.

Festivus Miracles : It's a miracle somebody hasn't called the cops by now.

SKYWARN Recognition Day Celebrates 20 Years on December 7

SKYWARN Recognition Day (SRD **https://www.weather.gov/crh/skywarnrecognition**) will mark its 20th anniversary on December 7, 0000 to 2400 UTC. This is the day each year when radio amateurs operate from National Weather Service (NWS) forecast offices across the country, celebrating the long relationship between the amateur radio community and the National Weather Service SKYWARN program. The purpose of the event is to recognize amateur radio operators for the vital public service they perform during times of severe weather and to strengthen the bond between radio amateurs and their local NWS offices.

Developed in 1999, SRD is cosponsored by ARRL and the NWS. Traditionally, radio amateurs have assisted the mission of the NWS through providing near real-time reports of severe weather and storm development. Reports received from radio amateurs have proven invaluable to NWS forecasters.

During SRD, participants exchange contact information with as many NWS stations as possible on 80, 40, 20, 15, 10, 6, and 2 meters, plus 70 centimeters. Contacts via repeaters are permitted. Stations should exchange call signs, signal reports, and locations, plus a quick description of the weather at your location (e.g., sunny, partly cloudy, windy, rainy, etc.). EchoLink and IRLP nodes, including the Voice over Internet Protocol Weather Net (VoIP-WX **http://voipwx.net**), are expected to be active as well.

WX4NHC (**http://w4ehw.fiu.edu**) at the National Hurricane Center will also be on the air for SRD, 1300 - 1700 UTC, for its 21st year of SRD participation.

Event certificates are electronic and printable from the main website at the conclusion of SRD. To learn more, visit the SKYWARN Recognition Day website (**https://www.weather.gov/crh/skywarnrecognition**).

Article Credit : The ARRL Letter for November 7, 2019 - www.arrl.org

ARRL Headquarters Welcomes New Section Managers for Orientation

Newly elected ARRL Section Managers were at ARRL Headquarters October 11 - 13 for the 2019 New Section Manager Workshop. Attendees got a detailed tour through ARRL Headquarters to meet and talk with staff leaders and staff members, participated in various training and orientation presentations and discussions, and enjoyed the chance to operate W1AW. Attending were Tom Preiser, N2XW (Southern New Jersey); Paul Stiles, KF7SOJ (Montana); Steven Lott Smith, KG5VK (North Texas); Dan Marler, K7REX (Idaho); Rick Breininger, N1TEK (Wyoming); John Gotthardt, K1UAF (New Hampshire), and Lelia Garner, WA0UIG (Iowa). - *Thanks to Steve Ewald, WV1X*

Article Credit : The ARRL Letter for October 31, 2019 - www.arrl.org

Back row (L - R) : Rick Breininger, N1TEK (Wyoming); Tom Preiser, N2XW (Southern New Jersey); John Gotthardt, K1UAF (New Hampshire); Dan Marler, K7REX (Idaho), and Lelia Garner, WA0UIG (Iowa).

Bottom row (L - R): Paul Stiles, KF7SOJ (Montana), Steve Ewald, WV1X (ARRL Field Services Manager), Steve Smith, KG5VK (North Texas).

[Michelle Patnode, W3MVP, photo]

Southern New Jersey Section Club Station 2019 ARRL Field Day Results

Club	Callsign	Score	Category	QSOs	Participants
South Jersey Radio Association	K2AA	15,648	7A	4,171	68
Gloucester County Amateur Radio Club	W2MMD	10,874	6A	2,642	42
Old Barney Amateur Radio Club	N2OB	6,168	3E	1,823	30
Southern Counties Amateur Radio Association and Shore Points Amateur Radio Club	K2BR	3,962	5F	731	40
Burlington County Radio Club	K2TD	2,986	3F	515	30
Cape May County Amateur Radio Club	N2CMC	1,980	3A	410	16
Audubon Amateur Radio Club	K2AUD	1,920	4A	366	37
David Sarnoff Amateur Radio Club	N2RE	1,654	7A	144	42
Jersey Shore Amateur Radio Society	NJ2AR	1,218	4AC	164	25
Princeton Emergency Radio Club	N2ARC	378	1F	14	42
Delaware Valley Ragchew Club	N2HQX		2A	15	12

CHERRY VALLEY MODEL RAILROAD CLUB

Holiday Open House!

Grace Church • 7 East Maple Ave.
Merchantville, NJ 08109

Sat, Nov. 9

Sat. & Sun, Dec. 7 & 8

Sat. & Sun, Jan. 4 & 5, Jan. 11 & 12

Hours, all dates: 12noon - 3pm

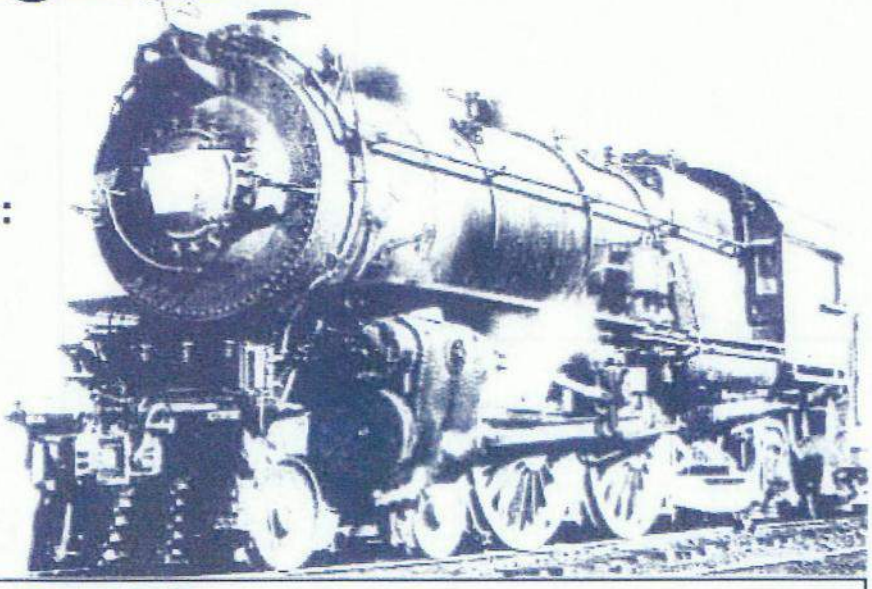
Free admission! Bring the family!

For information contact: John P. Dunn Sr.
609-432-2871 • jdunn8888@comcast.net

FOLLOW US ON facebook

Follow us on Facebook:
Cherry Valley Model Railroad
for photos, videos, events & news.

Enjoy the magic of Model Railroading!



CWops Mini-CWT Test
October 17, 2019 @ 0300Z

Call : WA2FZB
Operator (s) : WA2FZB
Station : WA2FZB

Class : Single Op HP
QTH : SNJ
Operating Time (hrs) : .4
Location : USA

Summary :

Band	QSOs
80 :	29
40 :	13

Total : 42 Mults : 40
Total Score : 1,680

Club : Frankford Radio Club 01

Comments : *Good activity tonight, especially on 80m.*

CQ Worldwide DX Contest, SSB
October 26, 2019

Call : WB2P
Operator (s) : WA2TML WB2P
Station : W2YC

Class : M/2 HP
QTH : NJ
Operating Time (hrs) :
Location : USA

Summary :

Band	QSOs	Zones	Countries
160 :	21	8	13
80 :	96	17	56
40 :	148	23	81
20 :	339	25	100
15 :	255	21	85
10 :	51	11	19

Total : 910 105 354
Total Score : 1,164,483

Club : Frankford Radio Club 04

Comments : *Special thanks to W2YC for use of his stations.*

CQ Worldwide DX Contest, SSB
October 26, 2019

Call : AB2E
Operator (s) : AB2E
Station : AB2E

Class : SO (A) AB HP
QTH : NJ
Operating Time (hrs) : 28
Location : USA

Summary :

Band	QSOs	Zones	Countries
160 :	17	6	10
80 :	126	13	62
40 :	132	23	68
20 :	228	22	86
15 :	125	17	67
10 :	5	3	3

Total : 633 84 296
Total Score : 653,600

Club : Frankford Radio Club 02

Comments :
Rig :IC-7800/Acom 2000A
Antennas : all wires
160m Inverted L @ 90ft
75m dipole @ 85ft
40m delta loop @ 70ft
20m delta loop @ 70ft
10m/15m homebrew fan dipole @ 70ft

I set a modest goal of 1meg points, and would likely have made it were it not for a 6 hour power failure late Sunday morning local time until almost 5P, which made me miss a lot of good stuff on 15/20. Still happy with the results and am pleased with the number of mults I was able to work. 75M was my strong band, and I felt strong there, getting many on the first call.

Highlight was getting VP6R on 3 bands with wires. D4C only station in the log on 6 bands. Only a few others on 5 bands, including PJ4K, V26B, KP2M, and a large number of stations on 4 bands, including HR9/N3AD, P40W, P40T, and TI7W.

Conditions were gruesome FRI evening from the solar event. Picked up on Sat, and Sat night made up for most of what I would have worked on Fri night.

Now, have to get to work for CQWW CW. Need to add a dedicated antenna for 80, either a delta loop or high dipole.

Thanks to all for the QSOs, see you in the CW test!

73 Darrell AB2E

CQ Worldwide DX Contest, SSB
October 26, 2019

Call : WA2FZB
Operator (s) : WA2FZB
Station : WA2FZB

Class : SO (A) AB HP
QTH : SNJ
Operating Time (hrs) : 34
Location : USA

Summary :

Band	QSOs	Zones	Countries
160 :	3	2	2
80 :	63	14	37
40 :	111	21	58
20 :	313	25	95
15 :	306	22	86
10 :	36	9	17
Total :	832	93	295

Total Score : 888,908

Club : Frankford Radio Club 03

Comments : *Better than last year, but a bit short of my goal. Friday night condx were awful, only had 50 Q's the first four hours. Really did not think I would break 300K, so the improvement over the weekend was a big surprise. Nice to have 15m back from the dead. Saw a big improvement with my new tri-bander (C19xr) that replaced my old Mosley. But I have vowed to never go through another solar minimum without a beam on 40m! Thanks to all for the contacts, and see you next month in the CW edition. 73!*

Tony WA2FZB

ARRL Sweepstakes Contest, CW
November 2, 2019

Call : W2YC
Operator (s) : W2YC
Station : W2YC

Class : SO Unlimited HP
QTH : SNJ
Operating Time (hrs) : 12

Summary :

Band	QSOs
80 :	223
40 :	173
20 :	126
15 :	7
Total :	529

Sections : 83
Total Score : 87,814

Club : Frankford Radio Club 06

Comments :

ARRL Sweepstakes Contest, CW
November 2, 2019

Call : AB2E
Operator (s) : AB2E
Station : AB2E

Class : SO Unlimited HP
QTH : SNJ
Operating Time (hrs) : 12

Summary :

Band	QSOs
80 :	355
40 :	33
20 :	95
15 :	8
Total :	491

Sections : 83
Total Score : 81,506

Club : Frankford Radio Club 05

Comments :
Rig : Icom IC-7800/Acom 2000A
Antennas :
All wires
160m inverted L
80m half wave dipole @ 85ft
40m delta loop @ 70ft
20m delta loop @ 60ft
15m/10m homebrew fan dipole @ 80ft

SS mult Sweep!
OP time - approx 12hours

Thanks to all for the QSOs. Haven't been in CW SS much the past 5 yrs or so. This was my biggest showing in awhile. Fun to get VY1, KL7, KH6 in the first 15min of the contest. Last mult was WTX on Sunday. Due to family commitments, had to miss some of the best daylight hours. However, I made up for it on 80m. Had 80% of my QSOs there, the new dipole works great. Had some really nice runs Sat night on 80. Goal was a Sweep and 75K and made them both. Hope to get on SS SSB at least for awhile,.

Thanks to all who called in!
73 Darrell AB2E

2019-2023 Element 3 General Class License Question Quiz

This month we finish up with **Subelement G1 : Commission Rules** and start **Subelement G2 : Operating Procedures** - (Answers on 'Last Page Calendar')

G1E08
What is the maximum PEP output allowed for spread spectrum transmissions?
A. 100 milliwatts
B. 10 watts
C. 100 watts
D. 1500 watts

G1E09
Under what circumstances are messages that are sent via digital modes exempt from Part 97 third-party rules that apply to other modes of communication?
A. Under no circumstances
B. When messages are encrypted
C. When messages are not encrypted
D. When under automatic control

G1E10
Why should an amateur operator normally avoid transmitting on 14.100, 18.110, 21.150, 24.930 and 28.200 MHz?
A. A system of propagation beacon stations operates on those frequencies
B. A system of automatic digital stations operates on those frequencies
C. These frequencies are set aside for emergency operations
D. These frequencies are set aside for bulletins from the FCC

G1E11
On what bands may automatically controlled stations transmitting RTTY or data emissions communicate with other automatically controlled digital station?
A. On any band segment where digital operation is permitted
B. Anywhere in the non-phone segments of the 10-meter or shorter wavelength bands
C. Only in the non-phone Extra Class segments of the bands
D. Anywhere in the 6-meter or shorter wavelength bands, and in limited segments of some of the HF bands

G2A01
Which sideband is most commonly used for voice communications on frequencies of 14 MHz or higher?
A. Upper sideband
B. Lower sideband
C. Vestigial sideband
D. Double sideband

G2A02
Which of the following modes is most commonly used for voice communications on the 160-meter, 75-meter, and 40-meter bands?
A. Upper sideband
B. Lower sideband
C. Vestigial sideband
D. Double sideband

General Class Quiz - Continued on page 32

General Class Quiz - Continued from page 31

G2A03
Which of the following is most commonly used for SSB voice communications in the VHF and UHF bands?
A. Upper sideband
B. Lower sideband
C. Vestigial sideband
D. Double sideband

G2A04
Which mode is most commonly used for voice communications on the 17-meter and 12-meter bands?
A. Upper sideband
B. Lower sideband
C. Vestigial sideband
D. Double sideband

G2A05
Which mode of voice communication is most commonly used on the HF amateur bands?
A. Frequency modulation
B. Double sideband
C. Single sideband
D. Phase modulation

G2A06
Which of the following is an advantage when using single sideband, as compared to other analog voice modes on the HF amateur bands?
A. Very high fidelity voice modulation
B. Less subject to interference from atmospheric static crashes
C. Ease of tuning on receive and immunity to impulse noise
D. Less bandwidth used and greater power efficiency

G2A07
Which of the following statements is true of the single sideband voice mode?
A. Only one sideband and the carrier are transmitted; the other sideband is suppressed
B. Only one sideband is transmitted; the other sideband and carrier are suppressed
C. SSB is the only voice mode that is authorized on the 20-meter, 15-meter, and 10-meter amateur bands
D. SSB is the only voice mode that is authorized on the 160-meter, 75-meter, and 40-meter amateur bands

G2A08
What is the recommended way to break in to a phone contact?
A. Say “QRZ” several times, followed by your call sign
B. Say your call sign once
C. Say “Breaker Breaker”
D. Say “CQ” followed by the call sign of either station

Gloucester County Amateur Radio Club
General Membership Meeting Minutes
Wednesday, November 6, 2019

Meeting opened @ 1931 Hours by President James Clark Sr, KA2OSV.

Attendance :

- 31 Members
- 3 Visitors : John Wright, AC3FE, of New Castle DE

Previous meeting minutes approved as published in CrossTalk by voice vote of members present.

Treasurer's report :

- YTD Income : $8994
- YTD Expenses : $6888
- Net : $2016

Treasurer report approved by voice vote of members present.

Committee Reports :

Clubhouse : Winter is here, time to prep the Clubhouse. Some outside projects need completion.

Repeater : Need to order a low voltage disconnect (LVD). Emergency Power Project for 2m repeater scheduled for installation between Christmas and New Year's.

Christmas Party: December 4, 2019 at Pfeiffer Community Center. $10 per person. Discussion of Club paying for Christmas Party. Motion made to appropriate $400 from Club funds to pay for the Christmas Party. Moved, Seconded, and approved by voice vote of members present.

Health & Welfare : Ray Martin W2RM much improved.

Contests : CW Sweepstakes this past weekend. CQ DX CW weekend before Thanksgiving. Sweepstakes Phone coming up on 11/16-11/18/2019. Al Arrison KB2AYU and Frank Romeo N3PUU worked the first weekend of the EME contest. The second weekend is 11/15-11/16, any interested Club members are welcome to come out and work it.

Nominating committee : Final slate of candidates

- President : Jim Clark KA2OSV
- Vice President : Tony Starr WA2FZB
- Treasurer : Alan Arrison KB2AYU
- Recording Secretary : John Zaruba Jr K2ZA
- Corresponding Secretary : Ron Block NR2B
- Director : Herb Dyer KT2Y
- Director : Bob Durham W2RAD
- Trustee : Mark Gottlieb KK2L

Fox Hunt : Sunday, November 17, 2019 is Fox Hunt XV. Vinnie Sallustio N4NYY will be hiding the fox.

November 2019 General Membership Meeting Minutes - Continued on page 34

November 2019 General Membership Meeting Minutes - Continued from page 33

Old Business : None

New Business : None

Meeting adjourned @ 1951 Hours

Program : Tony Starr WA2FZB demonstrating N1MM Logger+.

Respectfully Submitted,
John Zaruba Jr, K2ZA
Recording Secretary

SDR at January 11, 2020 Tech Saturday

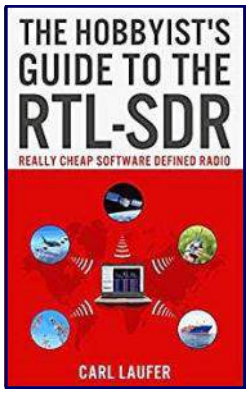
By Jon Pearce, WB2MNF

The January GCARC Tech Saturday event will be a hands-on dive into software defined radio using the familiar and low-cost RTL-SDR radio receivers. We will be covering the use of these radios along with the free SDR Sharp (SDR#) Windows software program to receive and decode various radio signals.

The RTL-SDR radio along with a dipole antenna package is available for $29.95 from Amazon : **https://amzn.to/34nzZ3y**

We'll be using "The Hobbyist's Guide to the RTL-SDR" as a text and reference, which is available for $23.70 from Amazon : **https://amzn.to/37yXngC**

A PDF version (which may be an older version of the book) is available at : **https://bit.ly/2OMAYE3**



Those who wish to participate in this session should purchase those items (or perhaps arrange to receive them as a holiday gift) and download and install the software (**https://airspy.com/download**) before the meeting. Come give this a try - it is probably the cheapest way to get into a whole new area of ham radio.

Gloucester County Amateur Radio Club
Board of Directors Meeting Minutes
Wednesday, November 20, 2019

Meeting opened @ 1909 Hours by President James Clark Sr, KA2OSV.

Attendance :

President Jim Clark Sr, KA2OSV
Vice President Tony Starr, WA2FZB
Treasurer Al Arrison, KB2AYU
Recording Secretary John Zaruba Jr, K2ZA
Director Herb Dyer, KT2Y
Director Bob Durham, W2RAD
Director Jeff Welsh, KD2AZI
Director Chuck Colabrese, WA2TML
Trustee Mark Gottlieb, KK2L
Member John O'Connell, K2QA

Previous minutes approved as read by voice vote of directors present.

Treasurer's Report :

- YTD Income : $9055
- YTD Expenses : $7128
- Net : $1926

Note : Only $1500 total of supplemental appropriations has been spent. Jim Wright N2GXJ and the treasurer audited the Club accounts. Discussion of CDs and interest rates. Budget committee will meet in December to develop 2020 budget.

Treasurers report approved as read by voice vote of directors present.

Committee Reports :

Budget Committee : Will meet 2nd Thursday of December (12/12/2019). January budget presented to BoD, February GM meeting budget presented for adoption by membership.

Clubhouse : Sudden onset of winter weather has complicated Clubhouse projects. Need to get underground wiring done and trenches filled in before ground freezes.

Repeater : None

Old Business : None

New Business :

Jim Clark KA2OSV Scout Troop from Williamstown would like to participate in Field Day. Motion made for Boy Scouts to camp out overnight for FD. Seconded and approved by voice vote of directors present.

November 2019 Board of Directors Meeting Minutes - Continued on page 36

November 2019 Board of Directors Meeting Minutes - Continued from page 35

Williamstown Boy Scout Troop has expressed interest in handling food for the next Hamfest, discussion ensued.

Discussion of Tech Saturday topics, format, and projects.

Mark Gottlieb KK2L, Jim Wright N2GXJ, and Al Arrison KB2AYU conducted an inventory of Club assets and built a spreadsheet detailing those items.

11/17/19 Fox hunt was very successful.

Jim Clark KA2OSV and Al Arrison KB2AYU discussed the need for a dues increase to accommodate a balanced budget due to increased costs for various Club activities. Vigorous discussion ensued. Dues are included in the Bylaws, increase must be voted on by the general membership. Discussion included that justifying dues increase and getting Club membership support means any changes would be for 2021.

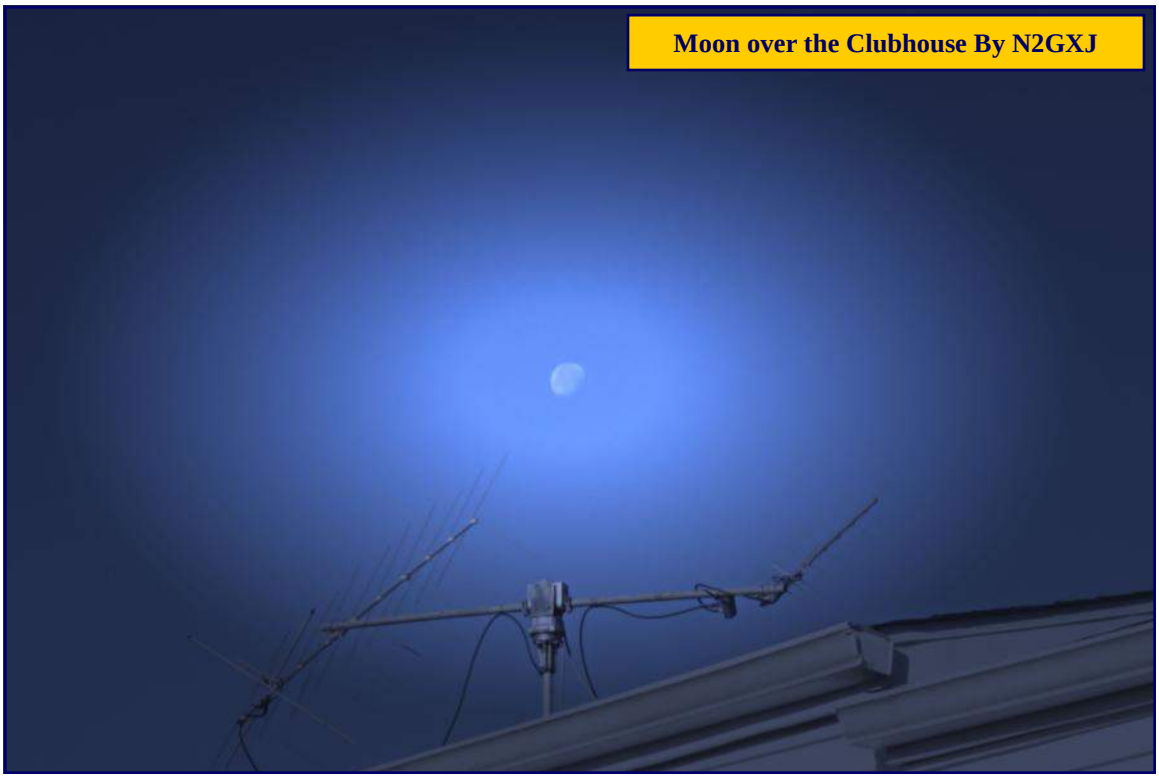
New Members :

- John Wright, AC3FE, of New Castle, DE

Members approved by voice vote of director's present.

Meeting adjourned @ 2032 Hours.

Respectfully submitted,
John Zaruba Jr, K2ZA
Recording Secretary



Moon over the Clubhouse By N2GXJ

December Birthdays

Congratulations to our members who are celebrating their birthday this month

Frank Bratton, N2FJB
Anthony Cerami, KD2RPI
Karl Frank, W2KBF
Tom Gorman, KE2ES (President 2012, 2013)
Bill Grim Jr, W0MHK
Bart Kleczynski, AC2PT
Urb LeJeune, W1UL
Virginia Macrie, KA2ZZA
Ron Massey Jr, KC2OWX
Allen Miller, W2XZ
Gary Mirkin, WA3SVW
Eric Morris, N2BRJ
Sheldon Parker, K2MEN
John Price III, KD2QYC
Bill Robinson, KD2ANM
Bill Sheppard Sr, WA2KMS

In Memoriam December Birthdays

Silent Keys :
August Bendler, W2GUS
Joseph Hartley Bowen Jr, KD2AE
Howard Carter, WA2OVQ
Frank Ciancaglini, K2JLY
Daniel Coursey, WA2ZTY
Vincent Gadzinski, WB2VNS
William Helmetag, WA2VQG
Ron Hermann, KC3FRE
Frank Malinowski Sr, KE2NY
John Marshall, KB2RGR
William O'Donnell Sr, NT2N
James Peck, W2LVW (President 1961)
Donald Seibert, N2MOO
John (Jack) White, WA2MEM (President 1974)
Norman Williams, W2SPN
Raymond Wrzeszczynski, N2SXO
Noboru Yamasaki, WA2WPZ

Crosstalk Submissions

This is your Club Newsletter. Make use of it.

If you have stories or photos of your hobby that you would like to share with the Club, please do so!

We will keep covering all of the GCARC events, but it is also nice to get those personal perspectives to include in every issue. Connecting through experiences is what makes the Gloucester County Amateur Radio Club a *REAL* Club.

All submissions, queries, comments and editorials should be addressed to Jeffrey Garth, WB2ZBN at jeff <*dot*> garth <*at*> comcast <*dot*> net.

Submission deadline for the January 2020 issue : Friday, December 20, 2019

Club Website www.w2mmd.org
Club E-Mail Reflector: GCARC <*at*> Mailman <*dot*> QTH <*dot*> Net

December Contest Calendar

WA7BNM Contest Calendar : www.contestcalendar.com

December 2019	
+ ARS Spartan Sprint	0200Z-0400Z, Dec 3
+ QRP Fox Hunt	0200Z-0330Z, Dec 4
+ Phone Fray	0230Z-0300Z, Dec 4
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 4 and 1900Z-2000Z, Dec 4 and 0300Z-0400Z, Dec 5
+ QRP ARCI Topband Sprint	0000Z-0300Z, Dec 5
+ NRAU 10m Activity Contest	1800Z-1900Z, Dec 5 (CW) and 1900Z-2000Z, Dec 5 (SSB) and 2000Z-2100Z, Dec 5 (FM) and 2100Z-2200Z, Dec 5 (Dig)
+ SKCC Sprint Europe	2000Z-2200Z, Dec 5
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 6
+ QRP Fox Hunt	0200Z-0330Z, Dec 6
+ NCCC Sprint	0230Z-0300Z, Dec 6
+ ARRL 160-Meter Contest	2200Z, Dec 6 to 1600Z, Dec 8
+ UFT Contest	0500Z-0800Z, Dec 7 and 1500Z-1800Z, Dec 7 and 0700Z-1000Z, Dec 8
+ Wake-Up! QRP Sprint	0600Z-0629Z, Dec 7 and 0630Z-0659Z, Dec 7 and 0700Z-0729Z, Dec 7 and 0730Z-0800Z, Dec 7
+ SKCC Weekend Sprintathon	1200Z, Dec 7 to 2400Z, Dec 8
+ PRO CW Contest	1600Z, Dec 7 to 1559Z, Dec 8
+ International Naval Contest	1600Z, Dec 7 to 1559Z, Dec 8
+ FT Roundup	1800Z, Dec 7 to 2359Z, Dec 8
+ EPC Ukraine DX Contest	2000Z, Dec 7 to 1959Z, Dec 8
+ QRP ARCI Holiday Spirits Homebrew Sprint	2000Z-2300Z, Dec 8
+ 4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Dec 9
+ NAQCC CW Sprint	0130Z-0330Z, Dec 11
+ QRP Fox Hunt	0200Z-0330Z, Dec 11
+ Phone Fray	0230Z-0300Z, Dec 11
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 11 and 1900Z-2000Z, Dec 11 and 0300Z-0400Z, Dec 12
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 13
+ QRP Fox Hunt	0200Z-0330Z, Dec 13
+ NCCC Sprint	0230Z-0300Z, Dec 13
+ PODXS 070 Club Triple Play Low Band Sprint	0000Z, Dec 14 to 2359Z, Dec 16
+ ARRL 10-Meter Contest	0000Z, Dec 14 to 2400Z, Dec 15
+ TRC Digi Contest	0600Z, Dec 14 to 1800Z, Dec 15
+ CQC Great Colorado Snowshoe Run	2100Z-2259Z, Dec 15

December Contest Calendar - Continued on page 39

December Contest Calendar

WA7BNM Contest Calendar : www.contestcalendar.com

December Contest Calendar - Continued from page 38

+ Run for the Bacon QRP Contest	0200Z-0400Z, Dec 16
+ NAQCC CW Sprint	0130Z-0330Z, Dec 18
+ QRP Fox Hunt	0200Z-0330Z, Dec 18
+ Phone Fray	0230Z-0300Z, Dec 18
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 18 and 1900Z-2000Z, Dec 18 and 0300Z-0400Z, Dec 19
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 20
+ QRP Fox Hunt	0200Z-0330Z, Dec 20
+ NCCC Sprint	0230Z-0300Z, Dec 20
+ AGB-Party Contest	1600Z-1700Z, Dec 20
+ Russian 160-Meter Contest	2000Z-2400Z, Dec 20
+ OK DX RTTY Contest	0000Z-2400Z, Dec 21
+ Feld Hell Sprint	0000Z-2359Z, Dec 21
+ Gedebage CW Contest	1200Z, Dec 21 to 1159Z, Dec 22
+ Padang DX Contest	1200Z, Dec 21 to 1159Z, Dec 22
+ Croatian CW Contest	1400Z, Dec 21 to 1400Z, Dec 22
+ ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 22
+ SKCC Sprint	0000Z-0200Z, Dec 25
+ Phone Fray	0230Z-0300Z, Dec 25
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 25 and 1900Z-2000Z, Dec 25 and 0300Z-0400Z, Dec 26
+ DARC Christmas Contest	0830Z-1059Z, Dec 26
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 27
+ NCCC Sprint	0230Z-0300Z, Dec 27
+ RAC Winter Contest	0000Z-2359Z, Dec 28
+ Original QRP Contest	1500Z, Dec 28 to 1500Z, Dec 29
+ Stew Perry Topband Challenge	1500Z, Dec 28 to 1500Z, Dec 29
+ RAEM Contest	0000Z-1159Z, Dec 29
+ QCX Challenge	1300Z-1400Z, Dec 30 and 1900Z-2000Z, Dec 30 and 0300Z-0400Z, Dec 31
+ Bogor Old and New Contest	0900Z-2359Z, Dec 31

w2mmd.org

www.facebook.com/W2MMD

twitter.com/w2mmd_gcarc

Facebook

Club Committees

Standing Committees	Committee Chairs
Membership and Publicity	**Bob Fields, KC6AOH**
Hamfest	**Sheldon Parker, K2MEN and Bill Price, NJ2S**
Repeater	**Herb Dyer, KT2Y**
Hospitality	**Jeffrey Garth, WB2ZBN**
W2MMD Clubhouse Site	**Al Arrison, KB2AYU**
Field Day	**Al Arrison, KB2AYU**
Nominations	**Jim Clark Sr, KA2OSV**
Health, Welfare, & Silent Keys	**Bill Price, NJ2S**
Budget	**Al Arrison, KB2AYU**
Constitution and By-Laws	**Ron Block, NR2B**
Membership Badges	**Chuck Colabrese, WA2TML**

Activity Committees	Committee Chairs
GC-ARES Emergency Coordinator	**Karl Frank, W2KBF**
GC-RACES Emergency Coordinator	**Ed Champion, N2RO**
Club Publications	**Jeffrey Garth, WB2ZBN**
License Testing/VEC Liaison	**Gary Reed, N2QEE**
Programs	**Tony Starr, WA2FZB**
Membership Roster Database	**Jeffrey Garth, WB2ZBN**
Club Historian	**Jeffrey Garth, WB2ZBN**
GCARC Family Picnic	**Laurie Love, KD2EYW**
Foxhunts	**Jim Wright, N2GXJ**
W2MMD License Trustee	**Darrell Neron, AB2E**
Contests and Nets	**Tony Starr, WA2FZB**
Holiday Dinner Party	**Jennifer Robinson, KD2EYR**
W2MMD Special Event Station	**Mark Gottlieb, KK2L**

GCARC <*at*> Mailman <*dot*> QTH <*dot*> Net e-mail reflector guidelines

1.**No attachments** (e.g. pictures, files) are allowed on the reflector.

2.If you have Club-related pictures that you would like to share, you can send them to the webmaster, he will put them on the website and he will send out a general e-mail to all the members.

3.Otherwise, the pictures will have to be sent to the members' addresses.

4.URLs/Hyperlinks are acceptable on the reflector.

5.Do not send any messages with e-mail addresses in the **BCC** (**Blind Carbon Copy**) field. The message will be rejected. Use only the **To:** or **CC:** fields.

6.Members are subscribed to the reflector using the member's e-mail address from the roster database. You must use that address when sending an e-mail via the reflector.

7.If you use another address on the reflector, the message will get rejected or "*bounced*", because the reflector does not recognize that address.

8.Whenever a message sent to reflector is rejected or *"bounced"* for various reasons, the administrator has to log-in to the Mailman.QTH website and approve the message. If the admin recognizes the address as belonging to a Club member, the message is accepted and passed on to the reflector.

FYI...If you use Comcast e-mail, you are limited to 100 addresses per message.
For more information about the e-mail reflector, goto : **www.mailman.qth.net**

The W2MMD Repeaters

2 Meter Repeater
Output: 147.180 MHz
Input: 147.780 MHz
Offset: +600 kHz - PL : 131.8 Hz
(Conventional FM plus C4FM Capability)
EchoLink : W2MMD-R

70 cm Repeater
Output: 442.100 MHz
Input: 447.100 MHz
Offset: +5 MHz - PL : 131.8 Hz
(Conventional FM plus C4FM Capability)

The above 2 repeaters are all
located in Pitman, NJ
GPS: 39.728481°, -75.131088°

1.25 Meter Repeater
Output: 224.660 MHz
Input: 223.060 MHz
Offset: -1.6 MHz - PL : 131.8 Hz
Location: Sewell, NJ
GPS: 39.746738°, -75.077094°

SKYWARN™ Net
Sunday @ 1945: 147.180 MHz Repeater

Gloucester County ARES/RACES Net
Sunday @ 2000: 147.180 MHz Repeater

10 Meter Rag Chew Net
Every Monday @ 2000 Hours
Tune-In on 28.465 MHz or 28.475 MHz

2 Meter Rag Chew Net
Every Thursday @ 2000 Hours
Tune-In on the 147.180 MHz Repeater

10 Meter Swap Meet
2nd Saturday of the Month @ 2000 Hours
Check-in on 28.465 MHz or 28.475 MHz

Meeting Calendar

General Membership Meeting

Wednesday, December 4, 2019 @ 1930 Hours
Pfeiffer Community Center
301 Blue Bell Road
Williamstown, NJ
(Everyone is welcome)

Board of Directors Meeting

Wednesday, December 18, 2019 @ 1900 Hours
W2MMD Clubhouse
(All members are welcome)

December 4, 2019
General Membership Meeting

Holiday Dinner Party

** Badges **

Need a new or replacement badge
Contact "The BadgeMan"

Chuck Colabrese, WA2TML
colabrese <*at*> comcast <*dot*> net

Question Pool Answers : G1E08:B; G1E09:A; G1E10:A; G1E11:D; G2A01:A; G2A02:B; G2A03:A; G2A04:A; G2A05:C; G2A06:D; G2A07:B; G2A08:B

73 **Gloucester County Amateur Radio Club - P. O. Box 370 - Pitman, NJ 08071** **Ω**